



१८
३०/९/८५

भारत का वित्तीय विभाग

The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 32] नई दिल्ली, शनिवार, अगस्त 10, 1985 (श्रावण 19, 1987)

No. 32] NEW DELHI, SATURDAY, AUGUST 10, 1985 (SRAVANA 19, 1987)

इस भाग में जिन पृष्ठ लंबवा दी जाती हैं, जिससे कि यह इसमें लंबलन के लिए रखा जाए। सर्वानुसार (Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस (Notifications and Notices issued by the Patent Office relating to Patents and designs)

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 10th August 1985

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below —

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West)
Bombay-400013

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli

Telegraphic address "PATOFFICE"

Patent Office Branch
Units No 401 to 405 III Floor
Municipal Market Building
Saraswati Marg Karol Bagh
New Delhi-110 005

1 - 187 GI 85

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi

Patent Office Branch,
61, Wallajah Road,
Madras-600 002

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands

Telegraphic address "PATENTOFIC"

Telegraphic address "PATENTOFIS"

Patent Office, (Head Office)
214 Acharya Jagadish Bose Road
Calcutta-700 017

Rest of India

Telegraphic address "PATENTS"

All applications, notices, statements or any fees required by the Patent Office under the Patents and Designs Rules, 1972 will be received or sent to the Patent Office.

Fees — The fees may either be paid in cash or may be sent by Money Order or Post Order to the Controller at the appropriate Office or by bank draft or cheque payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

SPECIAL NOTICE

Additional address for the Patent Office Calcutta from where main function are being carried out is given below —

"The Patent Office
2nd M S Office Building
(5th, 6th & 7th Floor)
Nizam Palace,
234/4 Acharva Jagadish Bose Road,
Calcutta-700 020

CORRIGENDA

1 In the Gazette of India, Part III, Section 2 dated 20th April 1985 under the heading Applications for Patents filed in the Patent Office Bomby Branch at Todi Estates IIIrd Floor Sun Mill Compound Lower Parel (West), Bombay 400 013 in page 351 Column 2

(1) in respect of Patent Application No 38[BOM 85 for DISC PLACEMENT] read 'DISPLACEMENT'

2 In the Gazette of India, Part III, Section 2 dated 4th May 1985 under the heading Applications for Patents filed in the Patent Office Bomby Branch at Todi Estates, IIIrd Floor, Sun Mill Compound, Lower Parel (West), Bombay 400 013 in page 403 Column 1

(1) in respect of Patent Application No 65[BOM]85 for DHFRWADKAR read DHARWADKAR

REGISTRATION OF PATENT AGENTS

The following person has been registered as Patent Agent

Shri Pratap Singh,
House No A-31/3,
R D S O Colony
Manak Nagar
Lucknow U P

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214 ACHARYA JAGADISH BOSE ROAD CALCUTTA 17

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act

4th July, 1985

499|Cal|85 United Technologies Corporation High Density Moisture Resistant Micro Sheet

500|Cal|85 Pharos Inventions AG Process and apparatus for the treatment of plant material

5th July, 1985

501|Cal|85 Eduard Baltensperger Thrust Unit

502|Cal|85 Westinghouse Electric Corporation Diagnostic Apparatus

503|Cal|85 Westinghouse Electric Corporation Improvements in or relating to rule based diagnostic system with dynamic alteration capability

504 Cal85 Vereinigte Fullkorper-Fabriken GMBH & CO Packing unit for gas transfer columns

8th July 1985

505|Cal 85 Kelsey Hayes Company Self adjusting parking brake

9th July 1985

506 Cal85 Siemens Aktiengesellschaft Device for monitoring thyristors

507 Cal 85 Odessky Gosudarstvenny Universitet Imeni M Mekhnikova Resistor

508 Cal|85 (1) Vsesojuzny Nauchno-Issledovatel'sky Institut Promyshlennoy Magnitnoy i Elektrodnoi Promyshlennosti (2) Pavlodarsky Aluminiev Zavod Imeni 50 Letia SSSR Apparatus for separating liquid from vapour and/or gas

509|Cal|85 (1) Vsesojuzny Nauchno-Issledovatel'sky Institut Promyshlennoy Magnitnoy i Elektrodnoi Promyshlennosti (2) Institut Bioorganicheskoi Khimii Imeni M M Shemyakina Akademii Nauk SSSR Method for producing human leukocyte interferon Alpha 2

510 Cal|85 Hans A Schaeffer Dental preparation article and method for storage and delivery thereof

10th July 1985

511|Cal|85 Jean Frederic Melchior Piston for internal combustion engines or compressor

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH MUNICIPAL MARKET BUILDING HIRD FLOOR KAROL BAGH NEW DELHI 110005

17th June 1985

479|Del 85 Unitek Copiers Private Ltd 'Paper Shredding Machine'

480|Del 85 Sulzer Brothers Limited 'An apparatus for uniformly distributing a two-phase mixture'

481|Del 85 Societe Nationale Elf Aquitaine, "Polymeric additives usable for inhibition of the deposit of paraffins in crude oils"

18th June 1985

482 Del|85 President Engineering Corporation "Method of producing multilayer circuit boards, a fixed layered structure produced by this method and the use of this layered structure in this production method"

483|Del|85 P G E P Professional General Electronic Products 'Electric particle detector for the detection of fire'

19th June, 1985

484 Del|85 Energy Sciences Inc, "Method and apparatus for electron curing on a cooled drum"

485|Del|85 Bicc Public Ltd Co "An improved optical fibre element" (Convention date June 22 1984) (U K)

486 Del 85 Ricc Public Ltd Co "An improved optical fibre ribbon structure" (Convention date June 22, 1984) (U K)

487|Del|85 John Strohbeen "Improved multidriver loudspeaker"

488|Del|85 The Governor and Company of the Bank of England "Production of an image model and inspection of a pixel representation of an image" (Convention date June 22 1984) (U K)

21st June 1985

489 Del 85 Hydro Quebec "Co containing austenitic stainless steel with high cavitation erosion resistance" (Convention date June 28 1984) (Canada)

24th June 1985

490 Del 85 Adarsh Kumar "Device isolation of microorganism by milliamperes"

491 Del 85 Sri Prashubh Batham 'Machine for giving relief to limbs subject to pain and treatment of deformed limbs'

492 Del 85 Sir Padamnat Research Centre "A method to prepare cationic dyeable polyester having improved fibre properties"

493 Del 85 Stohr Inc 'Electromagnetic instruments and survey procedures for imaging structure in coal seam' (Convention date November 14, 1984 & May 24, 1985) (U K & Newzealand).

494|Del|85 Chloride Silent Power Ltd, "Sodium sulphur cells and their manufacture" (Convention date June 26, 1984) (UK)

495|Del|85 Daniel Giraud Improvements in or relating to method of displaying information such as for example advertising messages on a certain number of panels with display elements arranged at a place of sporting events and system for carrying out the said method"

25th June 1985

496|Del|85 Institut Elementoorganicheskikh Soedineniy Imeni A N Nesmeyanova Akademii Nauk SSSR, "Bis (naphthalic) dianhydrides, method for preparing same, poly (naphthylene benzimidazoles) based on said bis (naphthalic) dianhydrides and process for producing these polymers"

497|Del|85 Societe Generale Des Eaux Minerals De Vittel, Process and apparatus for welding and cutting off at least one top horn of a bag of synthetic material"

498|Del|85 General Foods Corporation, "Decaffeination of permented unfired tea".

26th June 1985

499|Del|85 Mechanical Brush Industries, "Roller painting brush"

500 Del 85 The Standard Oil Co "Process for recovering highly pure acetonitrile from an initial acetonitrile/water mixture" [Divisional date December 23, 1981]

501|Del|85 Wrightel Limited, "Flexible container" (Conventional date Jun 29, 1984) (Australia)

502|Del|85 Societe Nationale Des Poudres Et Explosifs, "Polymer with ethylenic unsaturations incorporating silylmetallocene groups, process for the manufacture of this polymer, and propellant composition having this polymer as a binder"

503 Del|85 Societe Nationale Des Poudres Et Explosifs, "Process for the manufacture of silylmetallocene compounds, and compounds obtained by this process"

27th June 1985

504|Del|85 Institut Khimicheskikh Nauk Akademii Nauk Kazakhskoi SSR, "Catalyst for oxidative ammonolysis of aromatic and heterocyclic compounds"

505|Del|85 Automotive Products PLC, Pressure plates for diaphragm spring clutches".

506|Del|85 Bharat Heavy Electricals Limited, "Floating flame fluidised bed boiler".

507|Del|85 Sir Padampat Research Centre, "A process for the recovery of pure terephthalic acid from polyester materials".

28th June, 1985

508|Del|85 Dr Haish Chandra Agrawal, Dr Prashant Kumar & Srinivasa Sampath, "Improved solar cooker".

509|Del|85 Uop Inc, "Separation of picoline isomers

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

17th June, 1985

445|MAS|85 Dr F R B Shanmugasundaram E R B Shankar Sundaram and E R B Sekhar Sundaram Isha Pavala Sindhooram

446|MAS|85 Dr E R B Shanmugasundaram, E.R.B. Shankar Sundaram E.R.B. Bindu Sundaram and E.R.B. Sekhar Sundaram. Madhu Moha Nivarini-Radsun-skp

447|MAS|85 Mobil Oil Corporation Method of adding ZSM 5 containing catalyst to fluid bed catalytic cracking units

448|MAS|85 A Chalapathi Rao Film Editing Purposes, a system which is called 'Q' System

18th June, 1985

449|MAS|85 Duma AB Dosing means for a hypodermic syringe

450|MAS|85 Festo KG A linear Motor operable by a pressure medium

451|MAS|85 Diversified Products Corporation Wall mounted Exercise Unit

19th June, 1985

452|MAS|85 UV Nayak An attachment device particularly suited for climbing substantially vertical projection such as a pole or stem.

453|MAS|85 Societe Des Produits Nestle SA A process for the preparation of N-acetyl-5-hydroxytryptamine from 5-hydroxytryptamine (Divisional to Patent Application No 346|MAS|84).

454|MAS|85 Societe Des Produits Nestle SA A process for the preparation of N-acetyl-5-methoxytryptamine from N-acetyl-5-hydroxytryptamine. (Divisional to Patent Application No 346|MAS|84)

455|MAS|85 Societe Des Produits Nestle SA A process for the preparation of 5-methoxytryptamine hydrochloride (Divisional to Patent Application No 346|MAS|84)

456|MAS|85 Railway Engineering Associates, Inc Self Steering Railroad Truck.

21st June, 1985

457|MAS|85 K Xavier Benedict Fruit Pulper.

458|MAS|85 Neivel Ceramics and Refractories Limited An improved Orissa Pan

459|MAS|85 Neivel Ceramics and Refractories Limited A Dual Flush Cistern

460|MAS|85 The Dow Chemical Company Gas conditioning crevice Corrosion Inhibitors.

PRIORITY DATE DISALLOWED UNDER SECTION 135 OF THE PATENTS ACT, 1970

Priority date claimed in the Patent Application number 794|Del|82 filed by University of Nottingham, UK has been disallowed by the Deputy Controller of Patents & Designs, Patent Office, Branch, New Delhi vide his order dated the 25th May, 1985

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972

The Classifications given below in respect of each specification are according to Indian Classification and International Classification

A sum of rupees One hundred and twenty five or the sum of the specifications listed below will be payable from the Government of India to Mr. B. K. Banerji Roy Road, Calcutta, in due course of time, for each specification on Rs 2/- (postage extra if sent outside India). Requisition for the supply of the printed specification should be accompanied by the number of the specification shown in the following list.

Type or print the specification together with photo copy of the drawings, can be supplied by the Patent Office. It may be supplied by the prescribed copying charges. The same may be calculated by adding the number of each specification and drawing sheets mentioned in the specification and multiplying the same by the prescribed specification and multiplying the same by the charges as the copying charges per sheet Rs 4/-.

CLASS : 40C 156460

Int. Cl. : C01B 10/00

AN IMPROVED PROCESS FOR THE PRODUCTION OF STABILIZED COAL OIL SLURRIES

Applicant : SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, RAJIV MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : R. S. DAWA, J. P. PAUL, BARUN KUMAR MAITY, R. N. DEY, K. K. MEHTA, R. K. MEHTA

Appl. No. : 73 Del 81 filed on 12th June, 1981

Concurred in : 02/01/82 (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005

Specification
The present invention relates to a method of preparing a coal oil slurry, comprising mixing materials having the following composition: 0.350% of petroleum oil fraction at 60°C or mixture of these oils in the proportion of 10% additive such as herein described.

(Complete Specification 7 pages.)

CLASS : 5F 156461

Int. Cl. : C01B 10/00

A METHOD OF COATING THE GLASS FIBRE FABRIC WITH POLYACRYLIC ACID PRODUCED BY THE ABOVE PROCESS

Applicant : ALEXANDER SPECIAL PRODUCTS LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF GREAT BRITAIN, 10 & 12 ST MARY'S PARSONAGE, MANCHESTER M2 4ENGLAND.

Inventors : H. MARKS, J. SUNDRI AND AND MALCOLM T. LEE

Appl. No. : 338 Del 81 filed on 16th June, 1981.

Concurred in : 1980/80 21190 (U.K.)

Ortho : 1981/8102998 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch New Delhi-110005.

18 Claims

The present invention relates to a glass fibre fabric such as herein described having improved splash resistance of said

glass fabric comprising treating in a known manner said fabric with a non-fluorescent char-forming agent such as herein described and if desired subjecting the treated fabric to a carbonising treatment by known method.

(Complete Specification 17 pages).

CLASS : 40F & 206F 156462

Int. Cl. : B01F 17/40.

AN IMPROVED DIFFUSION BOAT FOR SIMULTANEOUS DIFFUSION OF P AND N DOPANTS INTO SILICON WAFERS

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SHIVA NATH SINGH, NARINDER KUMAR ARORA, ANANTH PRASAD, GIYAN CHAND JAIN & VIJAY KUMAR SHARDA.

Application for Patent No. 408/Del/81 filed on 25th June, 1981

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An improved diffusion boat for simultaneous diffusion of P and N type dopants into silicon wafers comprising a semi-circular quartz base carrier tube (5) incorporating two quartz tubes, one being the supporting tube (2) and another being the tunnel tube (4) defining between them a space (3) for stacking silicon wafers a plunger in two parts, one placed behind the other, the surface of the rear plunger being roughened and the plungers are movable forward and backward through the tunnel tube for adjusting the space for stacking the wafers as per the thickness of the stack, to obtain a compact stacking thereof.

Compl. specn 6 pages.

Drgs. 2 sheets.

CLASS : 70C 156463

Int. Cl. : C23b, 5/06.

IMPROVED PROCESS FOR THE ELECTROLYTIC CHROMIUM DEPOSITION ON NICKEL PLATED METAL SUBSTRATES

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : HANADY VENKATAKRISHNA UDUPA, SANANALLUR RAMACHANDRAN NATARAJAN, SRINIVASAN SRIVEFRAGHAVAN AND RAMANATHAN KRISHNAN

Application for Patent No. 409 Del 81 filed on 25th June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch New Delhi-110005.

5 Claims

Improved process for the electrolytic production of chromium deposits on nickel plated metal substrates from an electrolytic bath containing chromium trioxide and sulphuric acid characterised in that the bath contains per chloric acid an additive

(Complete Specification 7 pages).

CLASS : 186-A.

156464

Int. Cl. H04 b 1|00.

A CIRCUIT FOR SEPARATING THE CHANNELS IN A DUPLEX SYSTEM, SUCH AS IN A TELEPHONE LINE, CIRCUIT.

Applicant : INTERNATIONAL TELEPHONE AND TELEGRAPH CORPORATION, OF 230 PARK AVENUE, NEW YORK 10022, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : 1. ROBERT TREIBER.

Application No. 1176|Cal|81 filed October 22, 1981.

Convention dated 22nd September 1981 (8128570) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A circuit for digitally separating full duplex transmit and receive information signals on a two-wire path to a pair of digital signals, each separate from the other, including :

- (a) coder means for converting analog transmit and receive signals to a composite digital data stream;
- (b) means for deriving coefficient control data representative of the transmission characteristics of said two-wire path;
- (c) first digital filter means having said transmit signal coupled thereto and including a coefficient matrix, said transmit signal being multiplied by said coefficient matrix to adjust the digital output of said first filter to derive a signal representative of an undesired signal portion from said transmit signal, said coefficient matrix being so derived from said coefficient control data, that a substantially infinite signal return loss is provided between the separated transmit and receive digital signals;
- (d) second digital filter means having said transmit digital signal coupled thereto, and including a variable coefficient matrix controlled by said coefficient control data for providing a synthesized impedance match to said two-wire path;
- (e) decoder means for converting said transmit signal to an analog receive signal, including transconductance amplifier means having a substantially infinite output impedance; and
- (f) means for combining said output from said first digital filter with said composite digital data stream to cancel the unwanted return transmit signal from said digital data stream, and having an output consisting of said receive signal.

Compl. Specn. 36 pages.

Drgs. 12 sheets.

CLASS : 70-C.

156465

Int. Cl. C23 b 3|06.

AN ELECTRO PLATING APPARATUS AND A METHOD OF ELECTROPLATING WIRE SAID APPARATUS.

Applicant : IMPERIAL CLEVITE INC., OF 2550 GOLF ROAD, SUITE 200, ROLLING MEADOWS, 60008, U.S.A.

Inventors : 1. JAMES ANTHONY KROTKIEWICZ, 2. WAYNE ALLEN KRUPER, 3. OTTO CHRISTIPHER NIEDERER.

Application No. 1396|Cal|81 filed December 8, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

An electroplating apparatus comprising :

a plating tank for receiving a plating solution including plating chemicals and water to a predetermined fluid level in which workpieces are submerged and plated, the plating solution level being diminished by evaporation;

a first rinse tank for receiving rinsing solution to said predetermined level, the first rinse tank being disposed sufficiently adjacent the plating tank to enable plated workpieces to be submerged in the first rinse tank solution to rinse the plating solution from the plated workpieces, whereby the rinsing solution in the first rinse tank includes water and the plating chemicals rinsed from preceding workpieces;

a first elongated fluid path interconnecting the plating tank and the first rinsing tank, the first fluid path being disposed at or below said predetermined level such that solution flows by gravity from the first rinsing tank to the plating tank to replace evaporated plating solution, whereby plating chemicals are returned to the plating tank;

a final rinse tank for receiving rinsing solution to said predetermined level, the final rinse tank being disposed sufficiently adjacent the first rinse tank to enable the rinsed workpieces to be submerged in the final rinse tank solution to rinse the plated workpieces further, whereby the rinsing solution in the final rinse tank includes water and the plating chemicals rinsed from preceding workpieces;

a second elongated fluid path in fluid connection with the first and final rinse tanks, the second fluid path being disposed at or below said predetermined level such that solution flows by gravity from the final rinse tank to the first rinse tank; and level maintaining means operatively connected with the final rinse tank for maintaining the rinsing solution in the final rinse tank at said predetermined level, whereby the solutions in the first rinse tank, final rinse tank and the plating tank are maintained at said predetermined level and plating chemicals are returned from the final rinse tank to the first rinse tank and from the first rinse tank to the plating tank.

Compl. Specn. 17 pages.

Drgs. 1 sheet.

CLASS : 32-F, & 2; 55-F; 60-X₁.

156466

Int. Cl. : C07 f 9|40.

A PROCESS FOR PREPARING MONOESTERS AND DIESTERS OF N-ALKYL SUBSTITUTED AMINO METHYL PHOSPHONIC ACID.

Applicant : MONSANTO COMPANY, AT 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63167, UNITED STATES OF AMERICA.

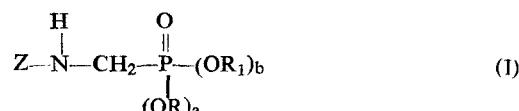
Inventor : 1. WILLIAM RONALD PURDUM.

Application No. 713|Cal|82 filed June 18, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for the preparation of phosphonate compounds useful as herbicides of the formula

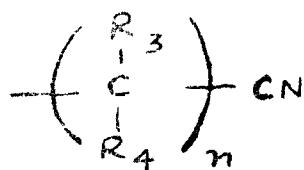


wherein $a+b=2$, and a is 0 or 1, Z is selected from the group consisting of

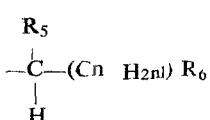


R_1 is lower alkyl, lower alkoxy lower alkyl, halo lower alkyl, phenyl lower alkyl or Z is lower alkynyl or lower alkyl, or $\text{N}=\text{CCH}_2$, R is selected from the group consisting of hydro-

gen or R_1 , and R_1 is independently selected from the group consisting of lower alkyl, lower alkoxy lower alkyl, halo lower alkyl, phenyl lower alkyl or Figure (1) of the accompanying drawings,



wherein n is an integer from 1 to 4, R_5 is selected from the group consisting of hydrogen, lower alkyl, lower alkoxy lower alkyl, halo lower alkyl, phenyl lower alkyl and R_4 is hydrogen or lower alkyl; excepting that R^1 and R_4 cannot both be the hydrogen when n is one and b is 1 or 2;

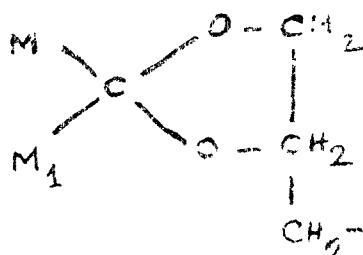


wherein R_5 is hydrogen, lower alkyl, lower alkoxy carbonyl; and R_6 is halogen, lower alkoxy carbonyl; and



wherein L is lower alkyl and n_1 is an integer from 0 to 3;

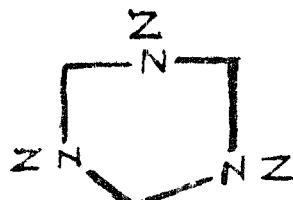
$-(C_{n_2}H_{2n_2+2})S-X$ wherein X is lower alkyl or lower alkoxy carbonyl and n_2 is an integer from 1' to 4; and $-(C_3H_{2p_3})Y$, wherein n_3 is an integer from 0 to 4 and Y is selected from the group consisting of trihalomethyl, lower alkoxy carbonyl, furanyl, pyrrolidinyl, pyranyl, thiopyranyl, Figure (3) of the drawings,



wherein M, and M are independently lower alkyl; with the proviso that when $a = 1$ and R is not equal to R_1 , R is hydrogen; said process comprising:

(a) reacting

- a trisubstituted phosphite of the formula $P(OR_1)_3$ wherein R_1 is as defined above, with water, and
- a compound of the formula (iii) of the drawings,



wherein Z is as aforesaid to prepare a crude phosphonate composition containing said phosphonate compound, and

- thereafter recovering said phosphonate compound from said crude phosphonate composition.

Compl. specn. 45 pages.

Drg. 1 sheet.

CLASS : 52-F2(b); 55-E2 & 4; 60-X2(a)

156467

Int. Cl. : C 07 d 99|24.

PROCESS FOR THE PRODUCTION OF 1-OXADETHIACEPHEM DERIVATIVES.

Applicant : MEIJI SI-IKA KAISHA, LTD., 4-16, KYOBASHI 2-CHOME, CHUO-KU, TOKYO, JAPAN.

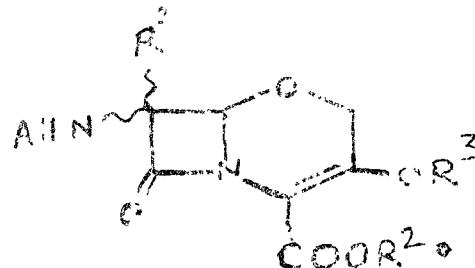
Inventors : 1. SEIJI SHIBAHARA, 2. TSUNEO OKONOGI, 3. YASUSHI MURAI, 4. SHUNZO FUKATSU, 5. TARO NIIDA, 6. TADASHI WAKAZAWA.

Application No. 1418/Cal/82 filed December 7, 1982.

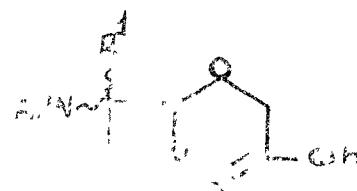
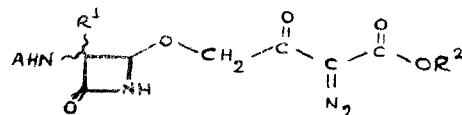
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for the production of a 1-oxa-1-dethia-3-alkoxycephem compound of the general formula (I) of the accompanying drawings,



wherein A denotes an acyl group, R_1 denotes a hydrogen atom or a methoxy group, R^2 denotes a carboxyl-protecting group and R^3 denotes a lower alkyl group, or an unprotected derivative of the compound (I), characterized in that a diazo compound represented by the general formula (II) wherein A, R_1 and R^2 are as defined above is ring-closed by reacting it with a carbene-producing catalyst to produce the 1-oxa-1-dethia-3-hydroxycephalosperin derivative of the formula (III)



wherein A, R_1 and R^2 are as defined above, and the 3-hydroxyl group of said derivative of the formula (III) is reacted with an alkylation reagent to produce the compound of the formula (I), and then if desired, the carboxyl-protecting group (R^2) of the compound (I) is removed therefrom in a known manner to give an unprotected derivative of the compound (I).

Compl. specn. 36 pages.

Drg. 4 sheets.

CLASS : 64-B1; 68-D

156468

Int. Cl. : H 01 r 15|00.

DEAD-FEND APPLIANCE FOR LINEAR BODIES.

Applicant PREFORMED LINE PRODUCTS COMPANY, 660 BETA DRIVE, CLEVELAND, OHIO 44143, U.S.A.

Inventor : 1. ROBERT STEPHEN KINDEL.

Application No. 1479/Cal/82 filed December 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A dead-end appliance for tensioning linear bodies, such as cables or wires comprising a pair of elongated legs in parallel spaced relationship, each leg having a free end with helically coiled section for grippingly receiving a portion of a linear body and a fixed end connected to a pin receiving fitting having spaced eyes with eye axes in a plane generally perpendicular to the legs, characterized in that said pin receiving fitting is an integral linear continuation of said legs and includes an eye portion around said eye axes to define said dyes and interconnected by a U-shaped bite portion forming a continuation of said dyes, said bite portion having a base extending toward the free ends of the legs.

Compl. specn. 12 pages.

Drg. 1 sheet.

CLASS : 32-F₂ + 55-F₁ + E₄

156469

Int. Cl. : A 61 k 23|00+C 07 d 57|00.

PROCESS FOR THE PREPARATION OF 9-(1, 3-DIHYDROXY-2-PROPOXYMETHYL) GUANINE AND PHARMACEUTICALLY ACCEPTABLE SALT THEREOF.

Applicant : SYNTEX (U.S.A.) INC., OF 3401 HILLVIEW AVENUE, PALO ALTO, CALIFORNIA 94304, UNITED STATES OF AMERICA.

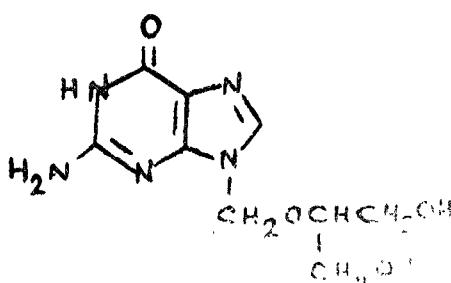
Inventors : 1. JULIEN PIERRE VERHEYDEN, 2. JOHN CHARLES MARTIN.

Application No. 564/Cal/82 filed May 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

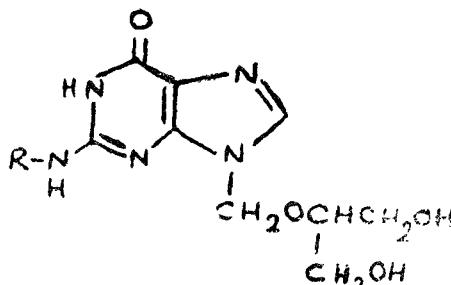
Claim 1

A process for preparing 9-(1, 3-dihydroxy-2-propoxymethyl) guanine of formula I of the accompanying drawings,



which comprises :

hydrolyzing as described herein a compound of the formula IX of the drawings



wherein R is defined as an acyl group, $R''\text{---}\overset{\text{O}}{\underset{\text{C}}{\text{||}}}\text{---}C$, wherein

R'' is a straight or branched hydrocarbon chain of one to ten carbon atoms, to afford 9-(1, 3-dihydroxy-2-propoxymethyl) guanine; and if desired

converting in a known manner 9-(1, 3-dihydroxy-2-propoxymethyl) guanine or its salts to pharmaceutically acceptable salts.

Compl. specn. 21 pages.

Drg. 2 sheets.

CLASS : 172-D₇

156470

Int. Cl. : D 01 h 13|04.

A THREAD GUIDE FOR DRAWING THREADS OVERHEAD FROM TWO YARN BOBBINS DISPOSED COAXIALLY ONE ABOVE THE OTHER.

Applicant : PALITEX PROJECT-COMPANY GMBH, OF WEESEWEG 8, 4150 KREFELD 1, WEST GERMANY.

Inventor : 1. JOHANNES FRENTZEL-BEYME.
Application No. 894/Cal/82 filed July 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A thread guide for drawing threads overhead from two yarn bobbins disposed coaxially one above the other, comprising a separate pigtail flyer arrangement mounted by means of a respective bearing bush for each yarn bobbin, first pigtail flyer arrangement provided for the lower yarn bobbin being mounted between the two yarn bobbins, and the second pigtail flyer arrangement associated with the upper yarn bobbin being also mounted between the two yarn bobbins and in a manner which influences the bearing bush of the first pigtail flyer arrangement.

Compl. specn. 12 pages.

Drg. 2 sheets.

CLASS : 55-E₁ + E₄

156471

Int. Cl. : A 61 k 19|00, 23|00.

A PROCESS FOR PREPARING A COMPOSITION PROCESSING CYTOLYTIC ACTIVITY AND USEFUL FOR THE CONTROL OF TUMOUR GROWTH.

Applicant & Inventor : JOHNATHAN LLOYD KIEL, OF 5814 FORT STANWIX, SAN ANTONIO, TEXAS 78233, U. S. A.

Application No. 360/Cal/82 filed March 31, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A process for preparing a composition possessing cytolytic activity toward viruses and prokaryotic and eukaryotic cells, useful for the control of tumor growth, comprising :

dissolving a peroxidase selected from the group consisting of horseradish peroxidase, lactoperoxidase, myeloperoxidase and snake skin peroxidase with an oxidase enzyme that produces in the system hydrogen peroxide or superoxide in sufficient amounts and for a sufficient period of time to maintain the cytotoxicity of said peroxidase, and with a protein in a known buffer solution :

allowing said peroxidase, said oxidase enzyme, and said protein in buffer solution to cross-link and adding a polymerizing agent to said solution, and allowing said solution to polymerize; and

optionally cooling said polymerized solution until a gel is formed;

removing any soluble material in said gel thereby resulting in an insoluble gel, and

drying said insoluble gel.

Compl. specn. 22 pages.

Drg. Nil.

CLASS : 42-A₂

156472

Int. Cl. : A 24 c 5|00; A 24 d 1|0 0.

IMPROVEMENTS RELATING TO CIGARETTES.

Applicant : BRITISH AMERICAN TOBACCO COMPANY LIMITED, OF WESTMINSTER HOUSE, 7, MILL BANK, LONDON, SW1P 3JE, ENGLAND.

Inventors : 1. KENNETH JOHN HAMSON MACLEAN, 2. MICHAEL JAMES WARD.

Application No. 907|Cal|82 filed August 3, 1982.

Convention dated 31st August, 1981 (23698|81) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A ventilated filter-tipped cigarette comprising a cigarette rod of smokable material enwrapped in a cigarette wrapper and a filter tip attached at one end of said rod by means of a tipping wrapper, said filter tip comprising smoke-filtration means and being provided at the periphery of the tip with at least one groove extending to the mouth end of said tip, said cigarette wrapper, at the region of the said rod adjacent the tip, being depressed inwardly to provide at least one cavity which is in communication with at least one said groove, and that portion of said tipping wrapper overlying said cavity permitting ingress of air into the same.

Compl. specn. 12 pages

Drg. 2 sheets

CLASS : 69-A

156473

Int. Cl. : H 01 h 73|02.

DRAWER TYPE CIRCUIT BREAKER.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, OF NO. 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TAKAYOSHI ISHIKAWA, 2. YASUSHI GENBA, 3. SHIGEMI TAMARU, 4. KIYOSHI EGUCHI

Application No. 412|Cal|82 filed April 14, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Claim 1

A drawer-type circuit breaker comprising a housing having a pair of horizontally disposed guide slots and a pair of vertically extending notches intersecting said slots respectively, circuit breaker means having roller means thereon extending into said slots in engagement with the edges thereof for supporting said circuit breaker means in said housing, an actuating lever pivotally mounted on each side of said circuit breaker means for pivotal movement on a horizontal axis, a guide roller projecting from one end of each lever for travel along a respective one of said slots and intersecting notches, first stop means on said breaker means engageable by the opposite ends of said actuating levers for locating said guide rollers in said slots for movement along said slots during withdrawal or insertion of said breaker means in said housing, second stop means on said housing adapted to engage each actuating lever during insertion of said breaker means to align each guide roller with each notch so that upon pivoting each lever said guide roller thereon will enter upon pivoting each lever said guide roller in the final inserted position.

Compl. specn. 13 pages.

Drg. 6 sheets.

CLASS : 130-F

156474

Int. Cl. : C 22 b 23|02, 23|06.

METHOD OF PRODUCING METALLIC NICKEL.

Applicants : (1) FROIZVODSTVENNOE OBEDINENIE PO PROEKTIROVANIU, NALADKE, MODERNIZATSII I REMONTU FNERGFTICHESKOGO OBORUDOVANIIA TSENTERO-FNERGOTSVETMET, OF GONCHARNY PERELOK, 8, MOSCOW, USSR AND (2) INSTITUT METALURGII IMENI A. A. BAIKOVA AKADEMII NAUK SSSR, OF LENINSKY PROSPEKT, 49, MOSCOW, USSR.

Inventors : 1. VLADIMIR NIKOLAEVICH KOSTIN, 2. NIKOLAI NIKOLAEVICH RYKALIN, 3. ALBERT IVANOVICH DRUGOVSKY, 4. JURY VLADIMIROVICH TSVETKOV, 5. GUGO YANOVICH KON, 6. SERGEI ALEXEVICH PANFILOV, 7. VLADIMIR ALEXEEVICH BLINOV, 8. TATYANA NIKOLAEVNA BRATENKOVA.

Application No. 653|Cal|82 filed June 7, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of producing metallic nickel from a nickel-bearing oxide material, comprising :

producing a plasma jet by passing a reducing gas consisting of hydrogen and hydrocarbons such as gaseous and liquid alkanes, alkenes, alkynes and aromatic hydrocarbons and their derivatives through the zone of electric discharge;

heating this material by the plasma jet to the temperature of melting of metallic nickel and thereby reducing nickel oxides to metal and effecting partial reduction of iron and cobalt oxides contained in the nickel-bearing material, the reduction being effected in the presence of reducing gas consisting of hydrogen and hydrocarbons such as gaseous and liquid alkanes, alkenes, alkynes and aromatic hydrocarbons and their derivatives with the resultant formation of a melt of metallic nickel;

the reducing gas being fed in an amount ranging from about 1.2 to about 1.75 times that of the reducing gas required in accordance with stoichiometry;

subjecting the resultant melt of metallic nickel to desulphurization and then effecting its refinement by removing therefrom incompletely reduced iron and cobalt oxides and gases dissolved in the melt.

Compl. specn. 11 pages.

Drg. 1 sheet.

CLASS : 158-C

156475

Int. Cl. : B 61 g 3|00.

RAILWAY COUPLER SHELL CHAMFER.

Applicant : AMSTED INDUSTRIES INCORPORATED, 3700 FRUDENTIAI PLAZA CHICAGO, ILLINOIS 60601, U.S.A.

Inventor : 1. RUSSEI GEORGE ALTHERR.

Application No. 75|Cal|83 filed January 20, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A railway car coupler comprising a head comprising a throat portion, a knuckle pivoted to the head at one side of the head's longitudinal vertical centerplane, a lower shelf extending from the head from below the knuckle, said lower shelf extending from an intersection with the throat to a point substantially adjacent the pivot of the knuckle, said

lower shelf having a front surface and a side surface, said side surface having a front surface and a side surface, said side surface having a chamfer extending downwardly and away from the guard arm side of the coupler head.

Compl. specn. 8 pages.

Drg. 2 sheets.

CLASS : 97-B 156476

Int. Cl. : H 05 b 3.00, 3.20, 3.40, 3.48.

ELECTRODE FOR ARC FURNACES

Applicant : ARC TECHNOLOGIES SYSTEMS LTD., BOX 61, GRAND CAYMAN, CAYMAN ISLANDS, BRITISH WEST INDIES.

Inventors : 1. DR. HANS GEORG BAUER, 2. DR. DIETER H. ZOLLNER, 3. DR. JOSEF OTTO, 4. JOSEF MUHLENBECK, 5. FRIEDRICH RITTMANN, 6. CLAUDIO CONRADTY, 7. LAUTERBACH-DAMMLER, 8. HORST SONKE.

Application No. 1168/Cal/81 filed October 21, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972) Patent Office, Calcutta.

12 Claims

An electrode for arc furnaces, comprising a top portion of metal and a replaceable bottom portion of consumable material, the portions being substantially cylindrical and being connected to each other by a screwmounting, wherein said top portion contains a liquid cooling device with a header duct and a return duct and wherein an inner part and an outer part of the top portion are detachable from one another, said header and return ducts, and wherein said outer part surrounds only a portion of said inner part.

Compl. specn. 11 pages.

Drg. 3 sheets.

CLASS : 32-A 156477

Int. Cl. : C 09 b 31|00.

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE DISAZO COMPOUNDS.

Applicant : HECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

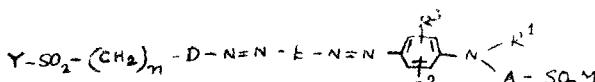
Inventors : 1. PETER MISCHKE, 2. HERMANN FUCHS, 3. FRITZ MEININGER.

Application No. 1212/Cal/81 filed October 30, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents, Rules, 1972) Patent Office, Calcutta.

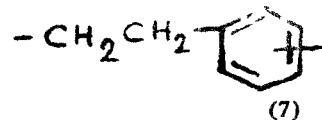
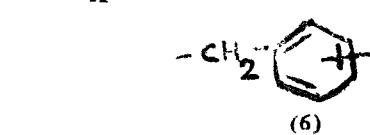
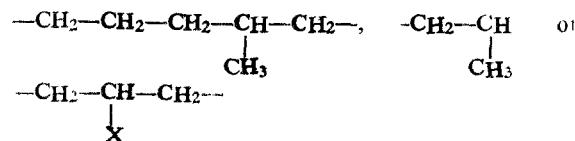
4 Claims

A process for the preparation of the disazo compounds of the general formula (1) of the accompanying drawings



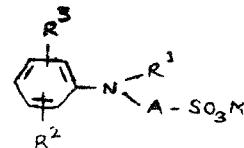
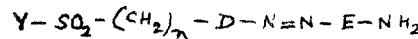
wherein Y is the vinyl group or a group of the formula $-CH_2-CH_2-Z$, in which Z denotes an organic or inorganic radical which can be eliminated under alkaline conditions, or the hydroxy group, n represents the number zero, one or two, D is a phenylene radical unsubstituted or substituted by 1 or 2 substituents selected from the group consisting of lower alkyl, lower alkoxy, hydroxy, lower alkanoylamino, benzoylamino, chlorine, bromine, fluorine and carboxy, and/or by one nitro group and/or by one sulfo group, or D is a naphthylene radical unsubstituted or substituted by 1 or 2 substituents from the group comprising lower alkyl, lower alkoxy, hydroxy, lower alkanoylamino, benzoylamino, chlorine, bromine, fluorine, carboxyl, and sulfo and/or can be

substituted by a nitro group, or D is a benzothiazol-2-yl radical, which contains the indicated group of the formula $Y-SO_2-(CH_2)_n$ -bonded in the carbocyclic ring and which can be further substituted from the group comprising lower alkyl, lower alkoxy, hydroxyl, lower alkanoylamino, benzoylamino, nitro, chlorine, bromine and sulfo, E is the 1, 4-phenylene radical or the 1, 4-naphthylene radical, both of which can be monosubstituted or disubstituted by substituents from the group comprising lower alkyl, lower alkoxy, hydroxyl, ureido, lower alkanoylamino, benzoyl-amino, benzenesulfonylamino, benzoylamino which is substituted by lower alkyl, lower alkoxy, chlorine and/or sulfo, benzenesulfonylamino which is substituted by lower alkyl, lower alkoxy, chlorine and/or sulfo, chlorine, bromine, carboxyl and sulfo. A is the ethylene radical of the formula $-CH_2-CH_2-$ or the ethyleneoxy radical of the formula $-CH_2-CH_2-O-$ or a propylene radical of the formula



wherein X represents the hydroxyl group or an acyloxy group of a lower alkanecarboxylic acid, or a halogen atom, or the sulfato group or the phosphato group, or is a radical of the formula (6) or (7).

M is a hydrogen atom or the equivalent of a metal, R¹ is a hydrogen atom, a lower alkyl group, a lower alkenyl group or a lower alkyl group which is substituted by phenyl and/or hydroxyl, it being possible for the phenyl radical to be substituted by methyl, methoxy and/or a chlorine, or is an acid-esterified hydroxyalkyl group having 2 to 4 C atoms in this alkyl radical, a cyanoalkyl group having 2 to 4 C atoms in the alkyl radical, a carboxyl, carbonamide or carbalkoxyalkylene group having in each case 1 to 4 C atoms in the alkyl or alkylene radical, a halogenoalkyl group having 2 or 3 C atoms, or a lower halogeno-alkenyl group, or is a group of the formula $A-SO_3 M$ defined above, R² is a hydrogen atom, a lower alkyl group, or a lower alkoxy group, which can be substituted by hydroxyl, acetoxy, carboxyl, carbonamide, cyano or halogen, or is a halogen atom which comprises diazotizing a compound of the general formula (2), $Y-SO_2-(CH_2)_n-D-N=N-E-NH_2$ in which D, E, Y and n have the meanings mentioned above 1, and coupling the reaction product with a coupling component of the general formula (3)



in which M, A, R¹, R², and R³ have the meanings mentioned above 1, to give a disazo compound of the general formula (1).

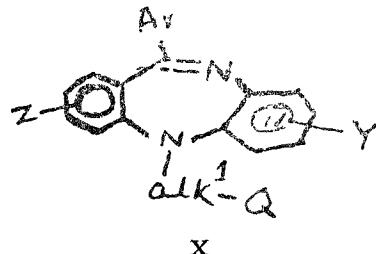
Compl. specn. 37 pages.

Drg. 10 sheets.

Application No. 1436|Cal|82 filed December 10, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.
3 Claims

A process for the preparation of pyrido-[1, 4] benzodiazepines of the formula X of the accompanying drawings,



wherein

Q is selected from the group consisting of hydrogen, chloro or -NR¹R² where R¹ and R² are selected from the group consisting of loweralkyl or taken together with the adjacent nitrogen atom form a heterocyclic residue selected from 1-phthalimido, 4-morpholinyl, 1-pyrrolidinyl, 1-piperidinyl or 4-substituted-1-piperazinyl;

Ar is selected from the group consisting of 2 or 3-thienyl, 2, 3 or 4 pyridinyl, phenyl or phenyl substituted by 1 to 3 radicals selected from halo, loweralkyl loweralkoxy, trifluoromethyl or nitro and may be the same or different;

alk¹ is a straight or branched hydrocarbon chain containing 1-8 carbon atoms;

Z is selected from the group consisting of hydrogen, halogen, loweralkyl, loweralkoxy or nitro;

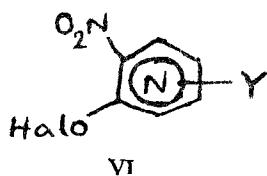
Y is selected from the group consisting of hydrogen or 1-2 radicals selected from loweralkyl or loweralkoxy and may be the same or different;

and the acid addition salts thereof which comprises the steps of

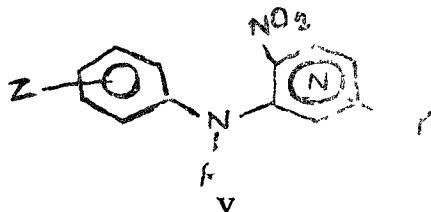
Step (1) reacting an aniline having the formula VII of the drawings



with a halog-nitropyridine having the formula VI of the drawings



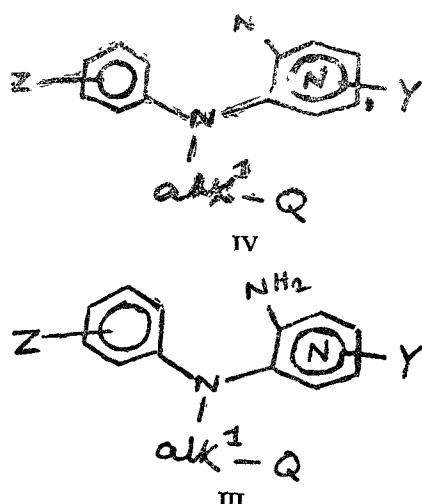
to produce a nitro-N-phenylpyridinamine having the formula V of the drawings



wherein R is hydrogen and Y and Z are as defined above;

Step (2) reacting a compound prepared in step 1 wherein R is hydrogen with a reagent having the formula "Q-alk¹-halo" wherein Q is selected from the group consisting of hydrogen, halogen or -NR¹R², with R¹ and R² being as

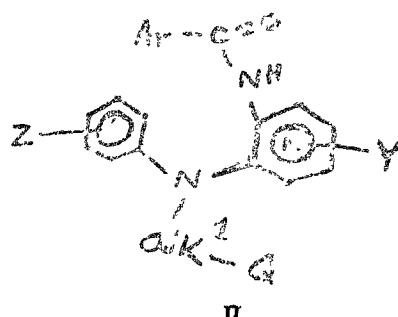
defined above to produce a nitro-N- substituted-N-phenylpyridinamine having the formula IV of the drawings,



wherein alk¹, Y and Z are as defined above and Q has the value corresponding to the reagent used;

Step (3) reducing a compound prepared in step 2 (Q may have any of above defined values including H) to give a compound having the formula III of the drawings, wherein alk¹, Y and Z are as defined above and Q has the same value as the nitro compound prior to reduction;

Step (4) reacting the compound prepared in step 3 with an aryl halide to produce an N-substituted-N-phenyl-aryloaminopyridinamine of the formula II of the drawings,



wherein alk¹, Y, Z, Ar and Q are as defined above; and

Step (5) cyclizing a compound prepared in step 4 to the pyrido [1, 4] benzodiazepine with a known cyclizing agent and optionally preparing pharmaceutically acceptable salt of the pyrido [1, 4] benzodiazepine by reacting with an appropriate acid.

Compl. specn. 67 pages.

Drg. 4 sheets.

CLASS : 32-F₁; 32-F₂ b; 55-E₄

156482

Int. Cl. : C 07 d 53/02.

A PROCESS FOR PREPARING PYRIDO [1, 4] BENZODIAZEPINES.

Applicant : A. H. ROBINS COMPANY, INCORPORATED, OF 1407 CUMMINGS DRIVE, RICHMOND, VIRGINIA 23220, UNITED STATES OF AMERICA.

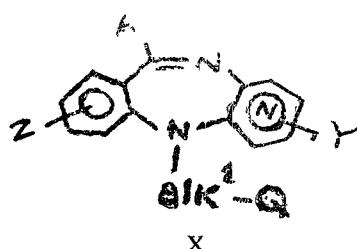
Inventors : 1. YOUNG SEK LO, 2. CHANDLER ROY TAYLOR.

Application No. 1443|Cal|82 filed December 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

The process for the preparation of pyrido [1, 4] benzodiazepines of the formula X shown in the accompanying drawings



wherein :

alk¹ is a straight or branched hydrocarbon chain containing upto 2 carbon atoms;

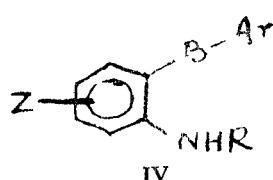
Q is hydrogen.

Ar is selected from the group consisting of 2 or 3-thienyl, 2, 3 or 4-pyridinyl, phenyl or phenyl substituted by 1 to 3 radicals selected from halo, loweralkyl, loweralkoxy, trifluoromethyl or nitro which may be the same or different;

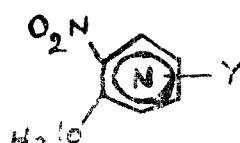
Y is selected from the group consisting of hydrogen, or 1-2 radicals selected from loweralkyl, hydroxy or loweralkoxy and may be the same or different;

Z is selected from the group consisting of hydrogen, halogen, loweralkyl, hydroxy, loweralkoxy or nitro, the terms lower alkyl and lower alkoxy having the meaning give hereinbefore, which comprises the steps of

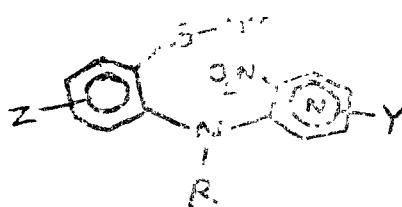
Step (1) reacting a compound of the formula IV shown in the drawings



with a halo nitropyridine having the formula III of the drawings



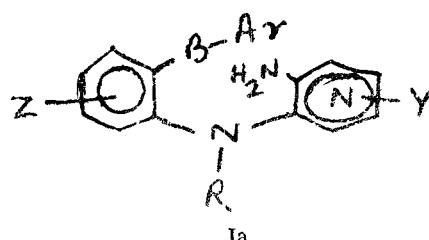
to give a compound having the formula Ic of the drawings



wherein Ar, Y and Z are as defined above;

R is selected from the group consisting of methyl or ethyl, and B is selected from the group consisting of carbonyl, thioxomethyl ketal or thioketal;

Step (2) reducing the nitro group of a compound prepared in step 1 to produce a compound having the formula Ia of the drawings,



wherein Ar, B, Y and Z are as defined above; R is -alk¹-Q; alk¹ is as defined above; Q is hydrogen,

Step (3) cyclizing a compound obtained in step 2 to produce a compound having the formula X of the drawings.

Compl. specn. 56 pages.

Drg. 6 sheets.

CLASS : 32-F₁

156483

Int. Cl. : C 07 c 147|00.

PROCESS FOR PREPARING OF 3, 3'-DIAMINO DI-PHENYLSULFONES.

Applicant : MITSUI TOATSU CHEMICALS INC., AT 2-5, 3-CHOME, KASUMIGASEKI, CHIYODA-KU, TOKYO, JAPAN.

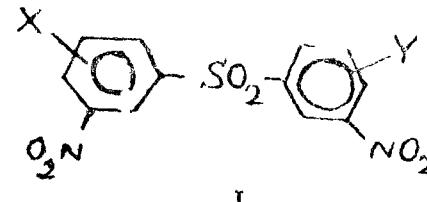
Inventors : 1. KEIZABURO YAMAGUCHI, 2. KENICHI SUGIMOTO, 3. YOSHIMITSU TANABE, 4. AKIHIRO YAMAGUCHI, 5. SABURO KAWASHIMA.

Application No. 194|Cal|83 filed February 17, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the preparation of 3, 3'-diamino diphenylsulfones which comprises catalytically reducing and dehalogenating a diphenylsulfone compound of formula I shown in the accompanying drawings.



wherein X is a halogen atom and Y is hydrogen or a halogen atom in the presence of a reducing catalyst in an amount of 0.01 to 10% by weight as metal, based on the amount of diphenylsulfone compound of formula I and a dehydrohalogenating agent from 0.5 to 5 mols to the diphenylsulfone compound of formula I.

Compl. specn. 35 pages.

Drg. 2 sheets.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT 1970

The claim made by Syntex Pharmaceuticals International Limited under Section 20(1) of the Patents Act 1970 to proceed the application for Patent No. 155107 has been allowed.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-Incharge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

145581 145615 145631 145638 145646 145684 145693 145700

(2)

145710 145985 146282 i46410 146539.

(3)

146555 146556 146557 146560 146562 146563 146565 146567
146570 146573 146578.

(4)

146581 146585 146587 146589 146590 146591 146592 146593
146594 146597 146598 146599 146601 146605 146606 146607
146608.

PATENTS SEALED

153202 153441 153624 153625 153628 153631 153632 153704
 153733 153752 153753 155757 153758 153762 153766 153767
 153915 153916 153927 153931 153958 154082 154095 154107
 154112 154115.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendment proposed by Allied Chemical Corporation in respect of Patent application No. 145459 as advertised in Part III, Section 2 of the Gazette of India dated the 2nd March, 1985 has been allowed.

(2)

Notice is hereby given that Cornelis Hubers, of 11, Slingerlaantje, Harderwijk, The Netherlands of Dutch Nationality have made an application under section 57 of the Patent Act, 1970 for amendment of application and specification of their patent application No. 146410 for "A method of operating a combustion engine and combustion engine for carrying out this method". The amendments are by way of explanation, correction and disclaimer.

The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification, at the Patent Office Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said.

(3)

The amendment proposed by Charbonnages De France in respect of Patent Application No. 153919 as advertised in Part III, Section 2 of the Gazette of India dated the 16th February, 1985 has been allowed.

RENEWAL FEES PAID

127570 127581 127649 127853 127903 128229 135477 135836
 136097 136422 136459 136547 137222 137277 137913 137963
 139043 139094 139757 139979 140215 140930 141568 141767
 142123 142510 142518 142562 142603 142665 142859 143054
 143072 143113 143183 143409 143876 143884 144002 144462
 144741 144742 145163 145299 145441 145453 145863 145977
 146191 146318 146319 146578 146848 146862 147271 147848
 147932 148148 148492 148493 148704 148845 149510 149722
 149948 150211 150559 150917 150984 151355 151373 151450
 151480 151521 151553 151566 151678 151681 151736 151949
 152078 152149 152226 152228 152708 152793 153207 153208
 153277 153281 153345 153350 153352 153410 153443 153451
 153469 153477 153490 153537 153541

CESSATION OF PATENTS

124363 124369 124371 124372 124373 124376 124377 124378
 124382 124383 124388 124389 124390 124395 124407 124408
 124411 124412 124413 124415 124416 124421 124426 124431
 124455 124459 124466 124473 124475 124483 124491 124494
 124496 124500 124501 124503 124509 124510 124514 124516
 124523 124527 124530 124546 124547 124557 124560 134561
 124563 124565 124567 124569 124573 124577 124578 124588
 124592 124595 124617 124621 124622 124623 124624 124625
 124630 124639 124640 124642 124650 124651 124654 124660
 124663 124674 124677 124678 124679 124687 124689 124709
 124712 124713 124724 124731 124745 124749 124751 124755
 124758 124762 124779 124780 124783 124792 124802 124807
 124811 124817 124818 124820 124827 124838 124843 124847

124848 124855 124859 124862 124868 124892 124897 124901
 124922 124928 124931 124934 124936 124941 124942 124946
 124947 124948 124950 124954 124961 124965 124986 124989
 124998 125001 125012 125013 125018 125022 125023 125026
 125028 125034 125044 125055 125064 125066 125072 125075
 125096 125099 125110 125113 125123 125124 125127 125130
 125131 125132 125169 125179 125180 125186 125188 125196
 125206 125220 125224 125225 125237 125242 125243 125250
 125251 125258 125264 125274 125279 125281 125289 125290
 125292 125293 125303 125305 125309 125323 125327 125328
 125344 125356 125373 125382 125383 125390 125393 125404
 125406 125412 125414 125415 125417 125418 125440 125446
 125449 125454 125471 125481 125487 125501 125510 125520
 125521 125534 125542 125548 125554 125555 125556 125562
 125564 125568 125571 125574 125582 125583 125587 125604
 125605 125618 125623 143165 152296 152297 152318

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149165 granted to The Tata Iron and Steel Company Limited for an invention relating to a device for use in the application of explosive cladding.

The patent ceased on the 13th February, 1984 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 16th March, 1985.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 10th October, 1985 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149844 granted to Trutzschler GmbH & Co. K.G. for an invention relating to carding machine.

The patent ceased on the 17th March, 1984 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 27th April, 1985.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 10th October, 1985 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 152140 granted to Council of Scientific and Industrial Research for an invention relating to a process for preparing ion exchange membranes.

The patent ceased on the 17th January, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 1st June, 1985.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 10th October, 1985 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

Class 1. No. 155329. New Feiend & Company Private Limited, A Company incorporated under the Companies Act, 5-Bhamashah Marg, Delhi-110009, India. An Indian Company. "Time Piece". 25th January, 1985.

Class 3. No. 155386. Tobu Enterprises Private Limited, 8/29-Kirti Nagar Industrial Area, New Delhi-110015. India. An Indian Company. "Seat". 12th February, 1985.

Class 3. No. 155387. Tobu Enterprises Private Limited, 8/29-Kirti Nagar Industrial Area, New Delhi-110015. India. An Indian Company. "Seat". 12th February, 1985.

Class 3. No. 155388. Tobu Enterprises Private Limited, 8/29-Kirti Nagar Industrial Area, New Delhi-110015. India. An Indian Company. "Wheel". 12th February, 1985.

Class 3. No. 155427. Daniel Alias Fernandes, Indian National, of M/s. Francis Engineering Works, at Marol Co-op. Ind. Estate Ltd., Plot No. 77-78, Mathuradas Vassanji Road, J.B. Nagar, Post, Marol Bombay-400 059, State of Maharashtra, India. "Toy Aeroplane". 26th February, 1985.

Class 3. No. 155428. Daniel Alias Fernandes, Indian National, of M/s. Francis Engineering Works, at Marol Co-op. Ind. Estate Ltd., Plot No. 77-78, Mathuradas Vassanji Road, J.B. Nagar, Post, Marol Bombay-400 059, Maharashtra State, India. "Toy Aeroplane". 26th February, 1985.

Class 3. No. 155287. Universal Luggage Manufacturing Company Private Limited, an Indian Company, of Building 'B', Shah Industrial Estate, Saki Vihar Road, Bombay-400 072, State of Maharashtra, India. "Suitcase". 14th January, 1985.

Class 3. No. 155429. Daniel Alias Fernandes, Indian National, of M/s. Francis Engineering Works, at Marol Co-op. Ind. Estate Ltd., Plot No. 77-78, Mathuradas Vassanji Road, J.B. Nagar, Post, Marol Bombay-400 059, State of Maharashtra, India, "Toy Aeroplane". 26th February, 1985.

Class 3. No. 155288. Universal Luggage Manufacturing Company Private Limited, an Indian Company, of Building 'B', Shah Industrial Estate, Saki Vihar Road, Bombay-400 072, State of Maharashtra, India. "Suitcase". 14th January, 1985.

Class 3. No. 155786. Hindustan Vacuum Glass Limited, Sanskriti Bhawan, Jhandewalan, New Delhi (a company incorporated under the Indian Companies Act), "Vacuum Flask" (Thermos), 25th June, 1985.

Class 3. No. 155286. Universal Luggage Manufacturing Company Private Limited, an Indian Company, of Building 'B', Shah Industrial Estate, Saki Vihar Road, Bombay-400 072, State of Maharashtra, India. "Suitcase". 14th January, 1985.

Class 3. No. 155314. Dattaraj Vasudevarao Jajee, Indian National, trading as Cord Industries, at Plot No. 235 NGO's Colony, Jewargi Road, Gulbarga 585 102, State of Karnataka, India. "Container". 17th January, 1985.

Class 3. No. 155346. Eagle Flask Private Limited, an Indian Company, at Eagle Estate, Talegaon 410 507, Maharashtra State, India. "Vacuum Flask". 30th January, 1985.

Class 3. No. 155399. The Parker Pen Company, a Delaware Corporation of One Parker Place, Janesville, Wisconsin 53545, United States of America. "Single Pen Desk Set". 15th February, 1985.

Class 3. No. 155400. The Parker Pen Company, a Delaware Corporation of One Parker Place, Janesville, Wisconsin 53545, United States of America. "Double Pen Desk Set". 15th February, 1985.

Class 3. No. 155398. Fusebase India Private Limited, an Indian Company, of 240, Ram Nagar, Krishan Nagar, Delhi-110 051, India. "A Control Panel For Selection of Programmes For A Television Set". 15th February, 1985.

Class 3. No. 155618. Vijay Industries, having its registered office at Swastik Industries Compound, Chincholi Bunder Road, Off. S. V. Road, Malad, Bombay-400 064, Maharashtra, India, a registered partnership firm. "Footwear". 1st May, 1985.

Class 3. No. 155602. Modern Home Care Products Pvt. Ltd., 4, Community Centre, New Friends Colony, New Delhi-110065, India, an Indian Company. "Containers". 24th April, 1985.

Class 4. No. 155371. Comptoir Nouveau dela parfumerie, a French Joint Stock Company of 23, rue Boissy d'Anglas, 75008 Paris France. "a Bottle". 8th February, 1985.

Class 4. No. 155787. 1. Abdul Qadir and 2. Abdul Rashid, both Indian Nationals, D-8, Kalin-di Colony, New Delhi. "Brick". 25th June, 1985.

Class 5. No. 155589. Raj Manufacturing Company, (a registered partnership firm) of Barar House, 237, Abdul Rehman Street, Bombay-400 003, State of Maharashtra, Indian. "Pencil". 18th April, 1985.

Class 5. No. 155590. Raj Manufacturing Company, (a registered partnership firm) of Barar House, 237, Abdul Rehman Street, Bombay-400 003 State of Maharashtra, Indian. "Pencil". 18th April, 1985.

Extn. of Copyright for the Second period of five years.

No. 149647. Class-1.
Nos. 150222, 154046, 149648, 155080. Class-3.
Nos. 149156, 149157, 149158, 149161, 149162, 149163, 149164, 149170, 149172, 149305, 149306, 149307, 149309, 149312, 149313. Class-8.

Extn. of Copyright for the Third period of five years.

Nos. 143098, 143141. Class-1.
Nos. 143236, 154046, 143099, 143121, 155080, 143142. Class-3.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks